

# Preliminary Post Storm Survey Responses: *Season 2: 2008-2009*

**Matt Taraldsen**

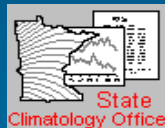
Saint Cloud State University  
Meteorology-Communications Student

**Amanda Graning**

Forecaster/Meteorologist  
National Weather Service, WFO Duluth, MN



**MNgage**





# Post Storm Survey (PSS)

This survey was created by Matt Taraldsen, a meteorology student at Saint Cloud State University, under the guidance of Earth and Atmospheric Sciences professor Dr. Anthony Hansen, Communication Studies professor Suzanne Stangl-Erkens and meteorologists from the National Weather Service office in Duluth, Minnesota.

[poststormsurvey@gmail.com](mailto:poststormsurvey@gmail.com)

<b>WAS*IS</b> weather & society * integrated studies	WORKSHOPS				
Changing from what <b>WAS</b> to what <b>IS</b> the future of integrated weather studies					



# Post Storm Survey (PSS)



## Motivation

*“Need a process by which WFO [Weather Forecast Offices] can systematically gather local customer input and local research results ... and turn that information into improved products and services”* Ray Wolf – Science and Operations Officer (Science Operations Officer) NWS WFO Davenport, IA

## Goal

Improve communication & effectiveness of winter weather information and threat by gaining insight into perceptions and decision making processes related to hazardous winter weather.



# Post Storm Survey

## Multiple Online Locations to Access Survey

Partners in the Weather Community post a link to the PSS Homepage on their web pages to obtain wide broad of respondents after a winter event.



MNgage



facebook



### Weather Forecasting Offices:



- Grand Forks, ND
- Aberdeen, SD
- Duluth, MN
- Minneapolis, MN
- Des Moines, IA
- La Crosse, WI





# Post Storm Survey

Please Refer to the All About the PSS Slideshow for details into the Post Storm Survey.

[http://www.crh.noaa.gov/Image/dlh/slideshows/PSS\\_background.pdf](http://www.crh.noaa.gov/Image/dlh/slideshows/PSS_background.pdf)





# Post Storm Survey



Season 2; December 2008 - January 2009

## Case Overviews

- **2008 December 14<sup>th</sup>** *820 Post Storm Survey Responses*
  - Eastern Dakotas, Northwest Minnesota, and Western Great Lakes (Duluth, MN) Blizzard/Winter Storm
- **2008 December 20<sup>th</sup>** *904 Post Storm Survey Responses*
  - Dakotas, Minnesota & Iowa Winter Storm/Freezing Rain
- **2008 December 30<sup>th</sup>** *135 Post Storm Survey Responses*
  - Narrow band of heavy Snow from Fargo to northern Twin City metro area
  - Over 14" across Central Minnesota, including a portion of Interstate 35
- **2009 January 3<sup>rd</sup>** *212 Post Storm Survey Responses*
  - Widespread Blizzard/Winter Storm
  - Excess of 10" in far northern Minnesota
- **2009 January 12<sup>th</sup>** *96 Post Storm Survey Responses*
  - Eastern Dakotas, Iowa and Southwest Minnesota Blizzard/Winter Storm

**Total of over 2000 Responses!**

Visit the [Northland Winter Storm Archive](#) for more detailed event summaries



# The Post Storm Survey Preliminary Results

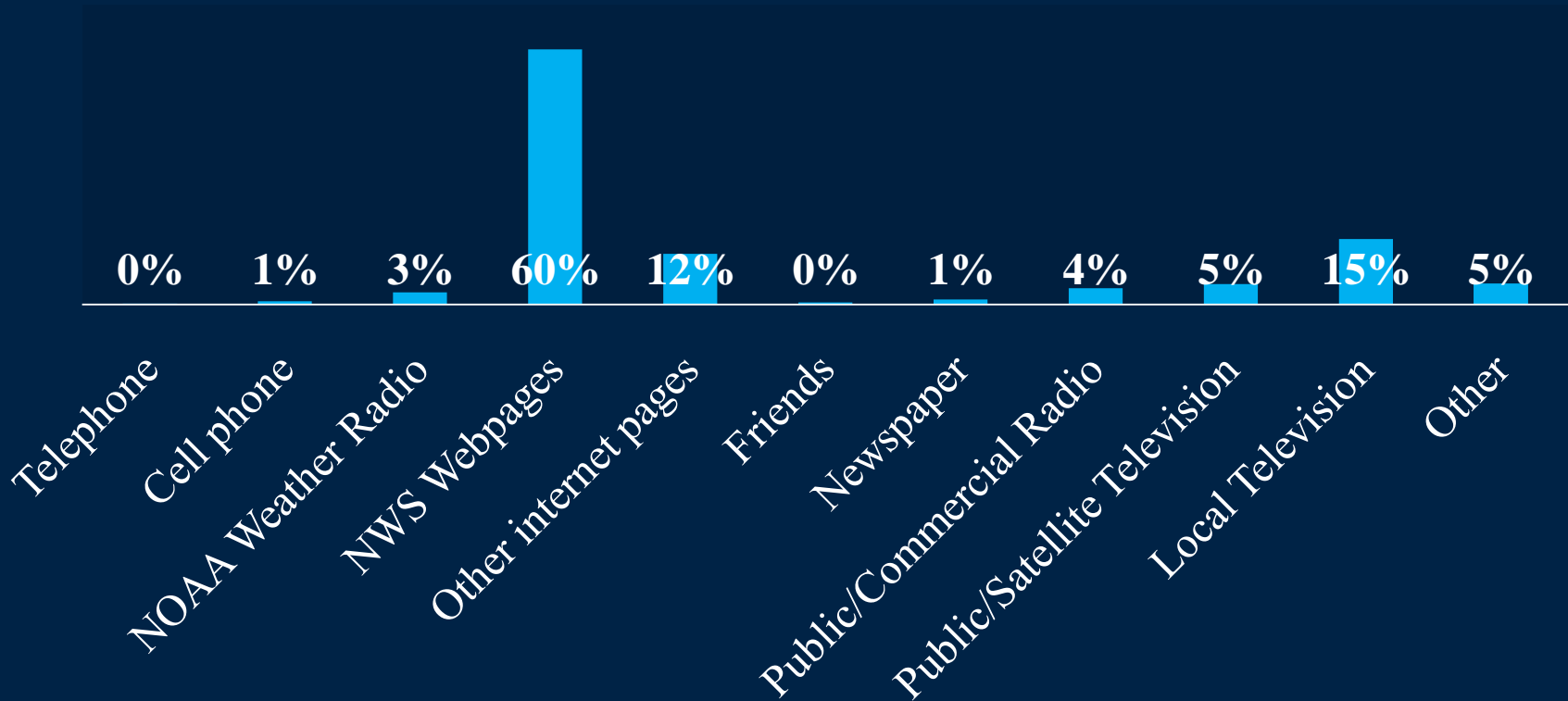
Season 2; December 2008 through January 2009



# All Responses

*\* Combined responses from all season 2 events*

## 1. Where do you get your weather information on a regular Basis?



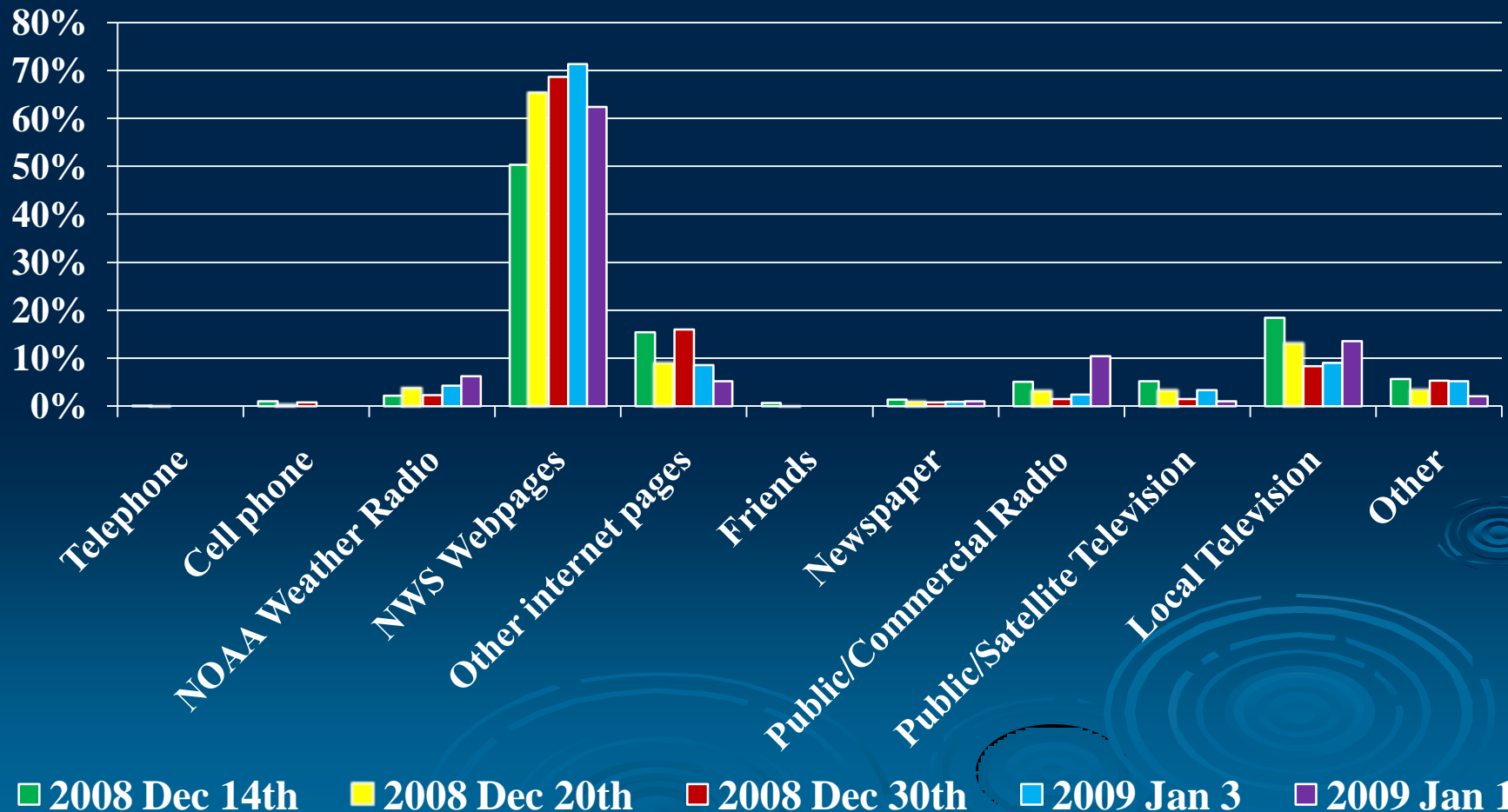




# Responses By Event



1. Where do you get weather information on a regular basis?  
(Select the one that most applies).

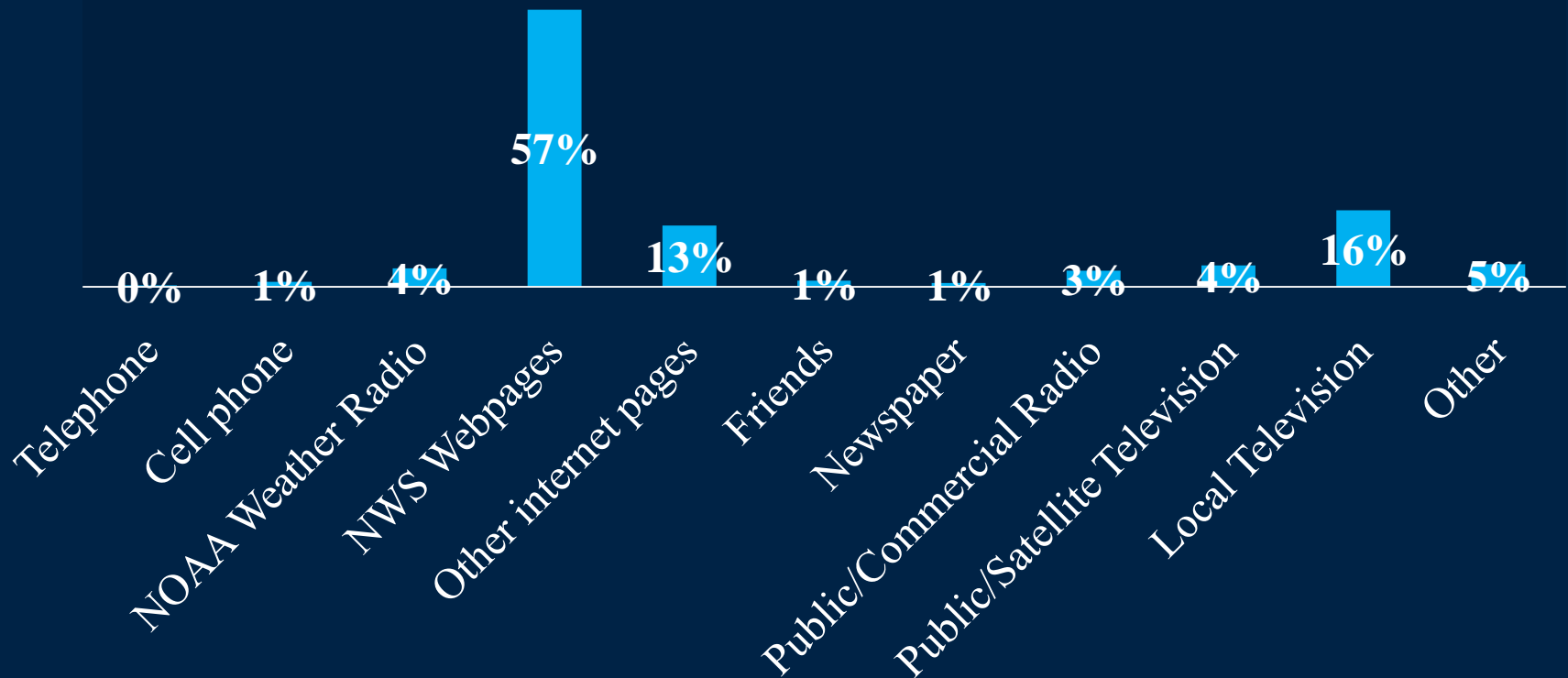




# All Responses

*\* Combined responses from all season 2 events*

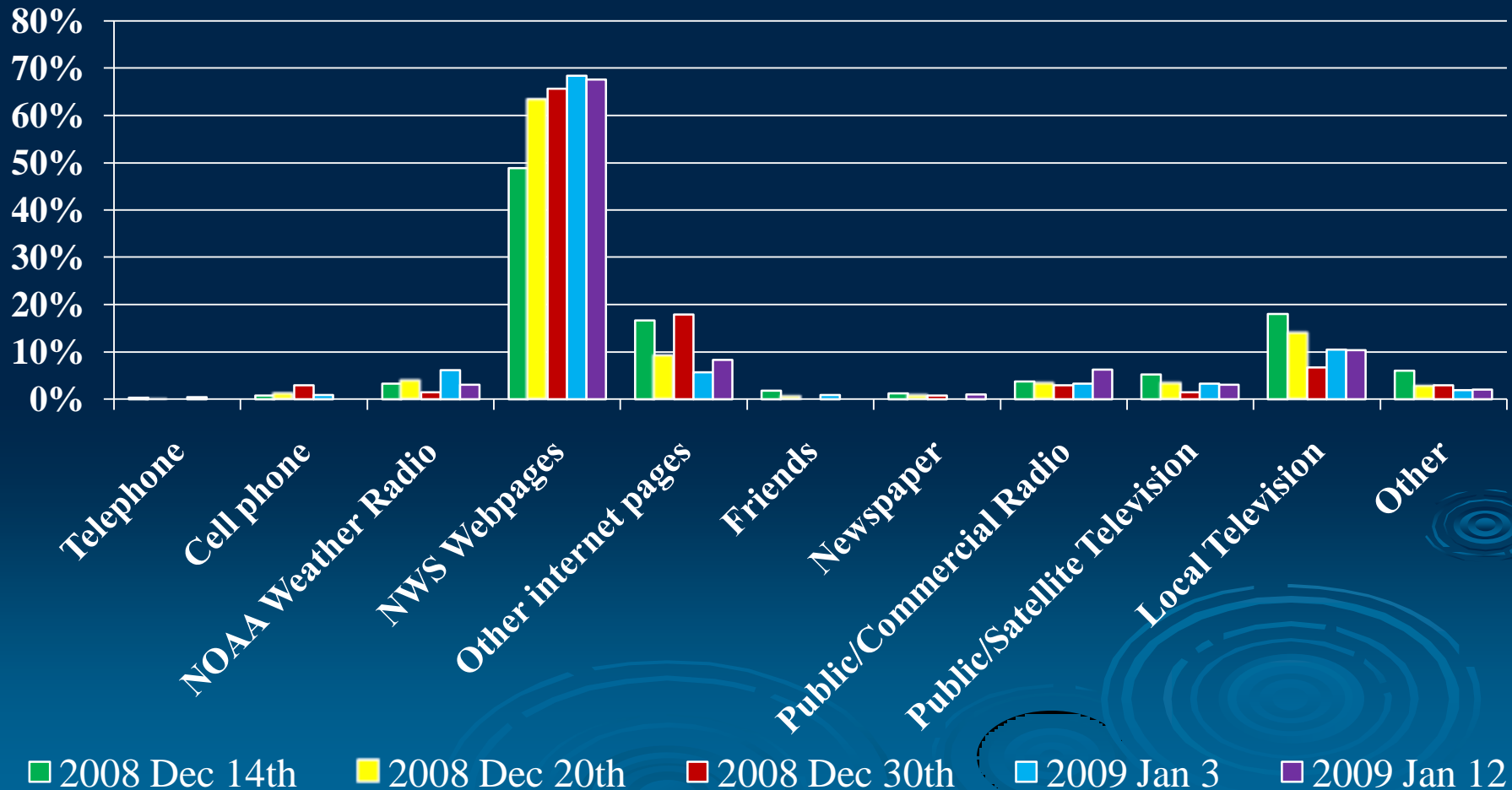
## 2. During this storm where did you get your weather information?





# Responses By Event

2. During this storm, where did you get weather information?  
(Select the one that most applies).

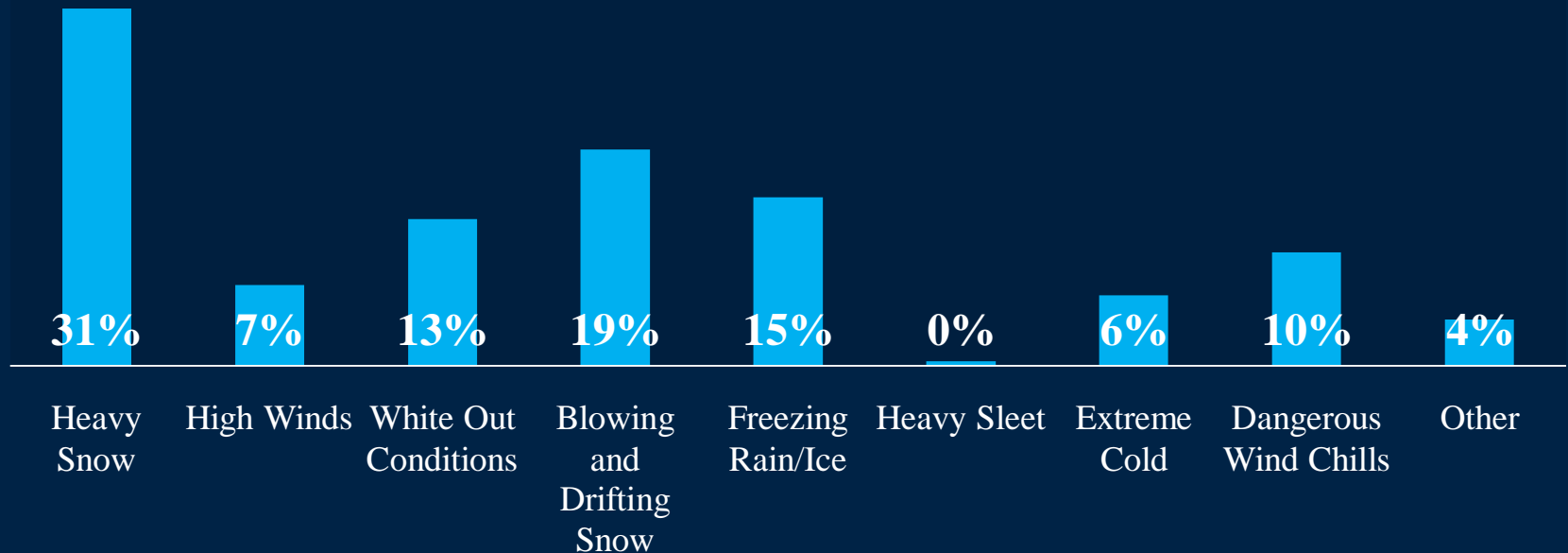




# All Responses



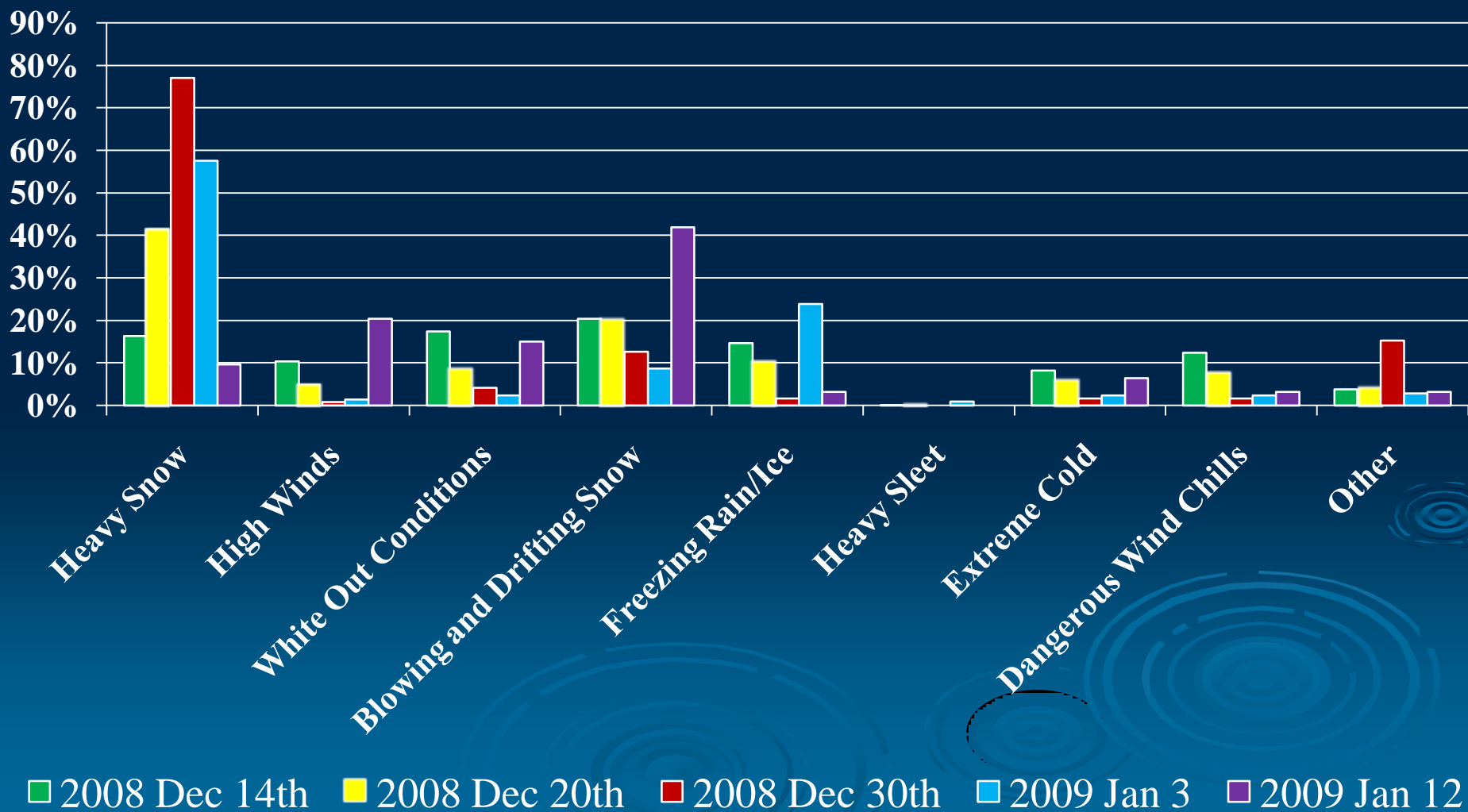
## 3. Based on the forecast, what did you feel was the primary threat from the storm?





# Responses By Event

**3. Based on the forecast, what did you feel was the primary threat from the storm?**  
(Select the one that most applies).

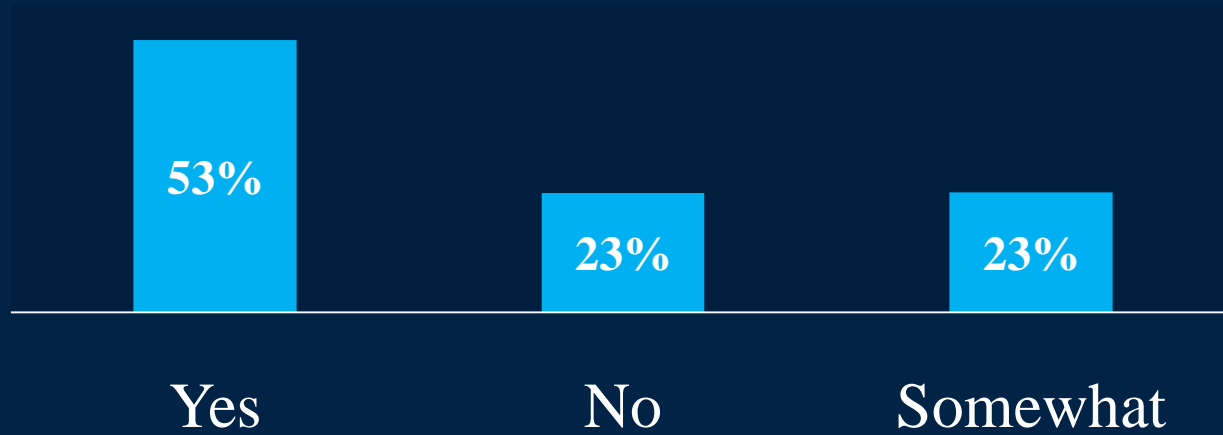




# All Responses



**4. Based on the forecast, did you feel this was a typical storm?**



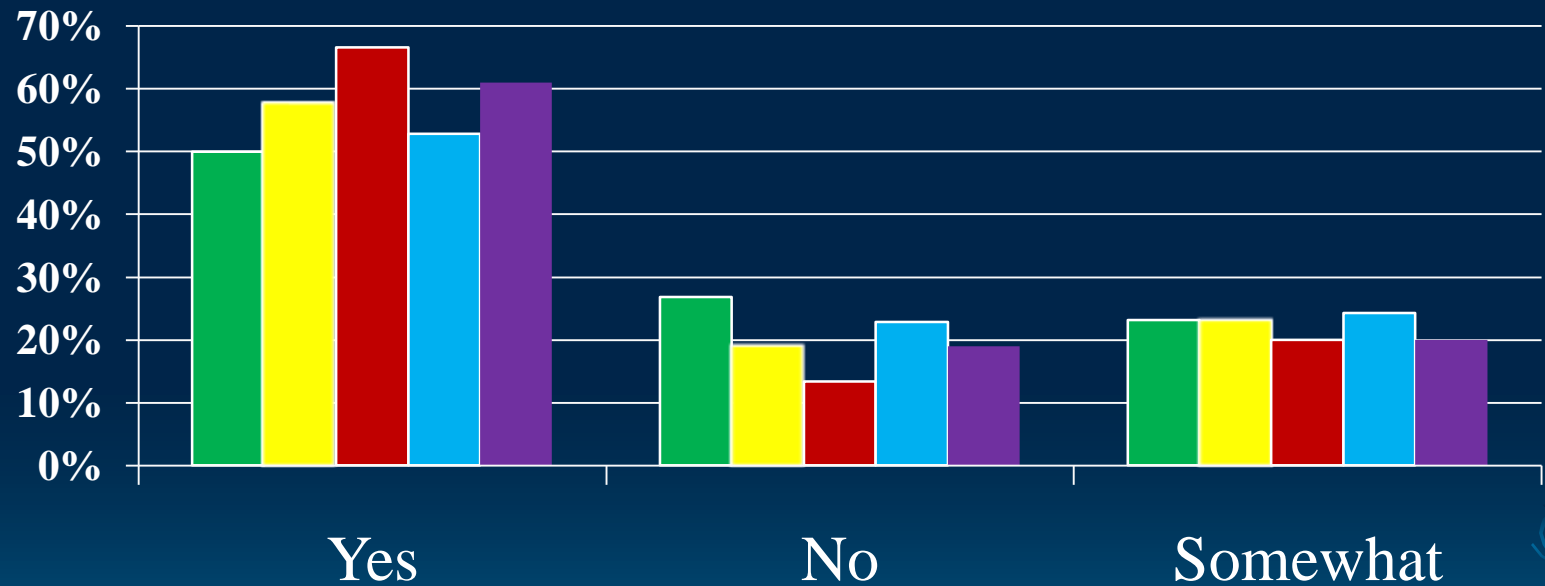




# Responses By Event



**4. Based on the forecast, did you feel this was a typical storm?**  
(Select the one that most applies).



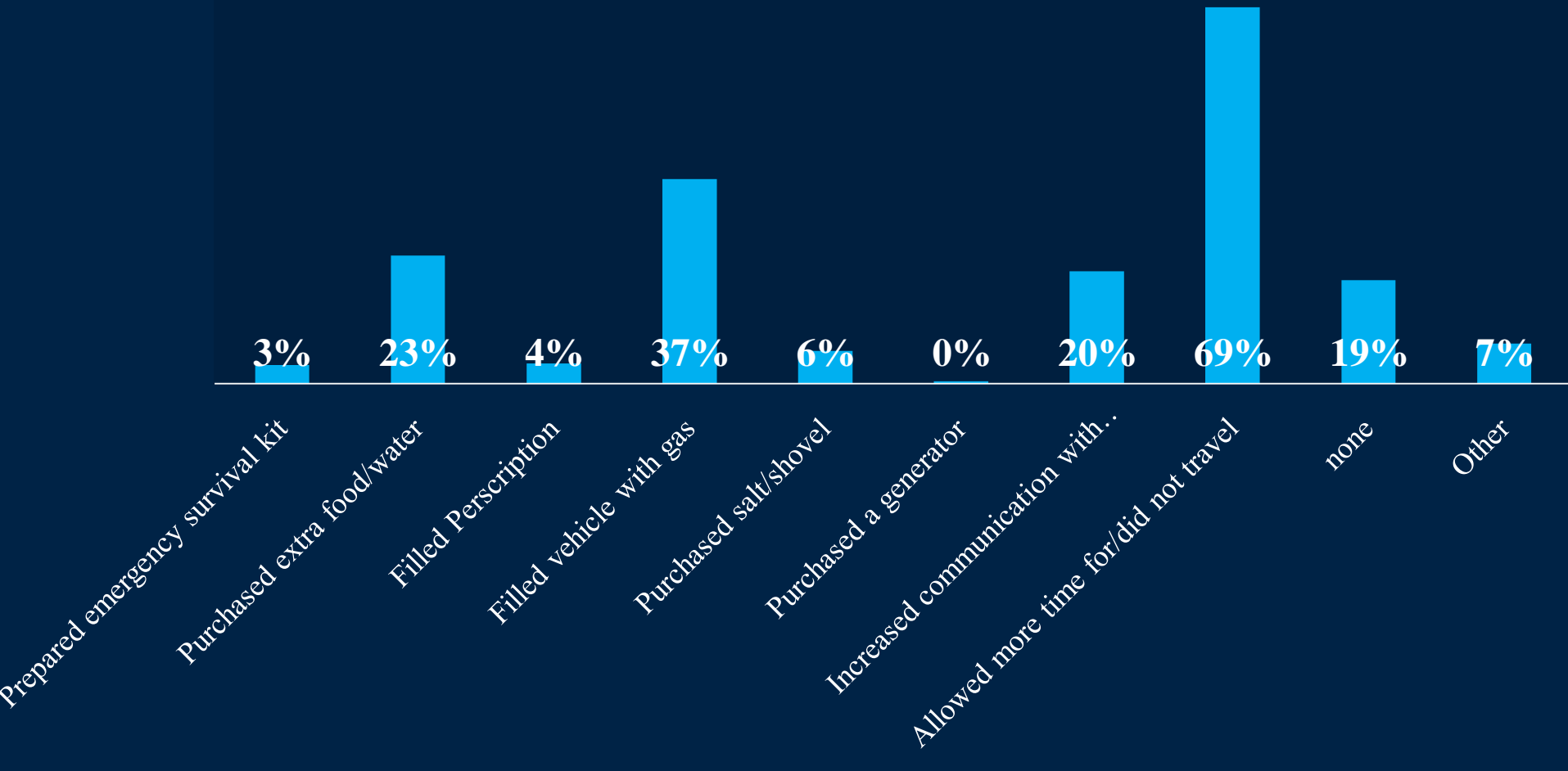
■ 2008 Dec 14th    ■ 2008 Dec 20th    ■ 2008 Dec 30th    ■ 2009 Jan 3    ■ 2009 Jan 12



# All Responses

*\* Combined responses from all season 2 events*

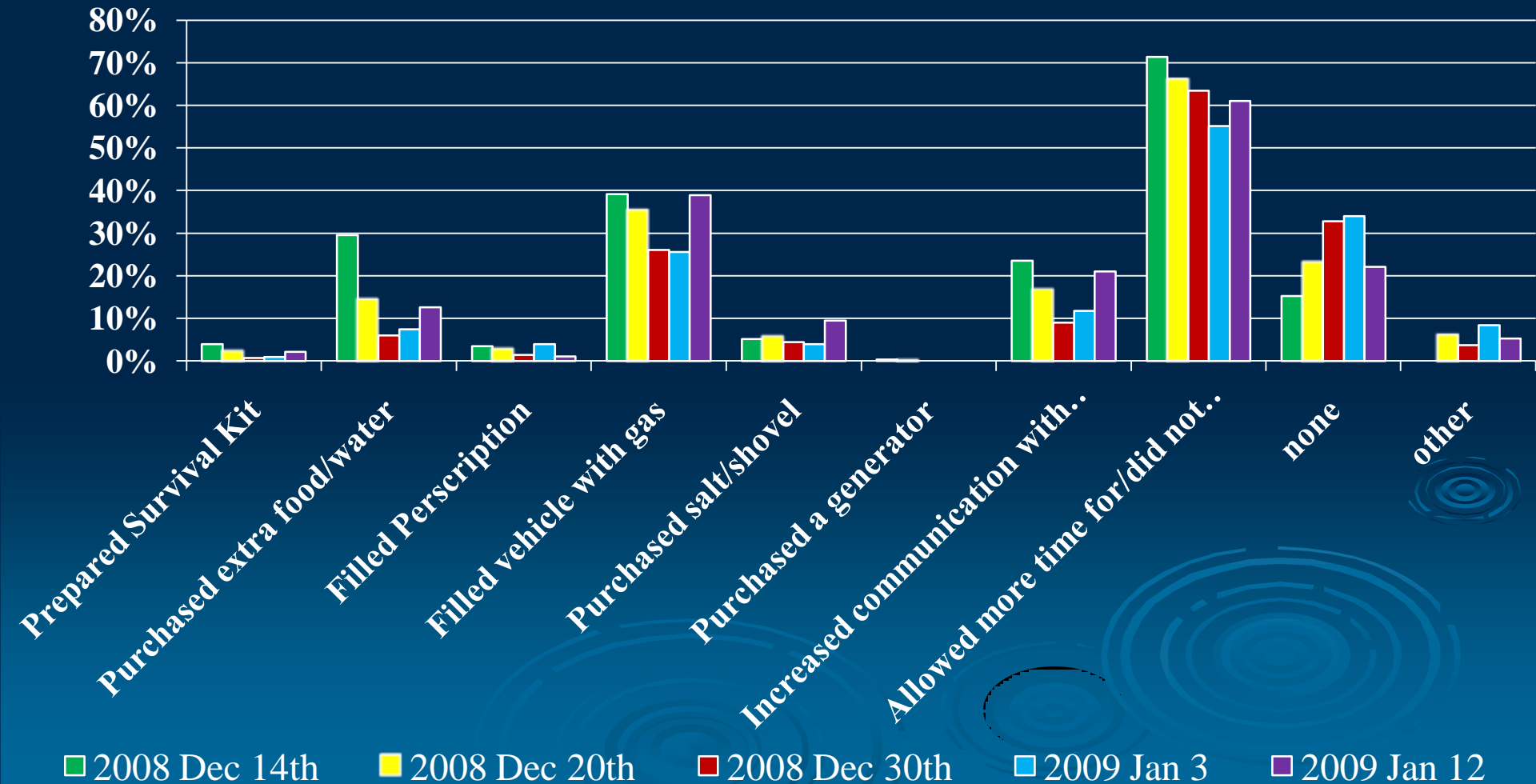
## 5. Based on the forecast, what special preparations did you take for this storm?





# Responses By Event

5. Based on the forecast, what special preparations did you take for this storm?  
(Select the one that most applies).



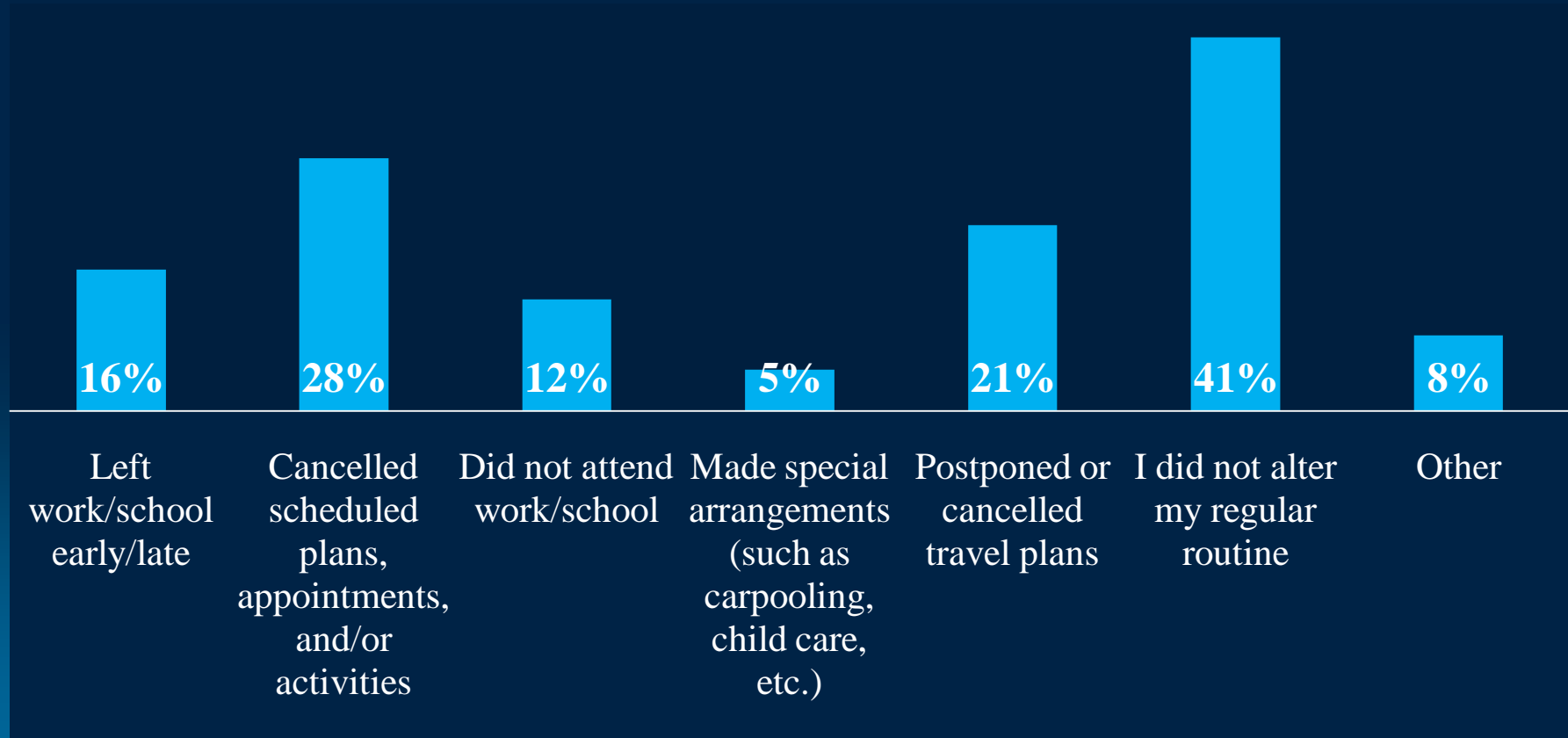


# All Responses



*\* Combined responses from all season 2 events*

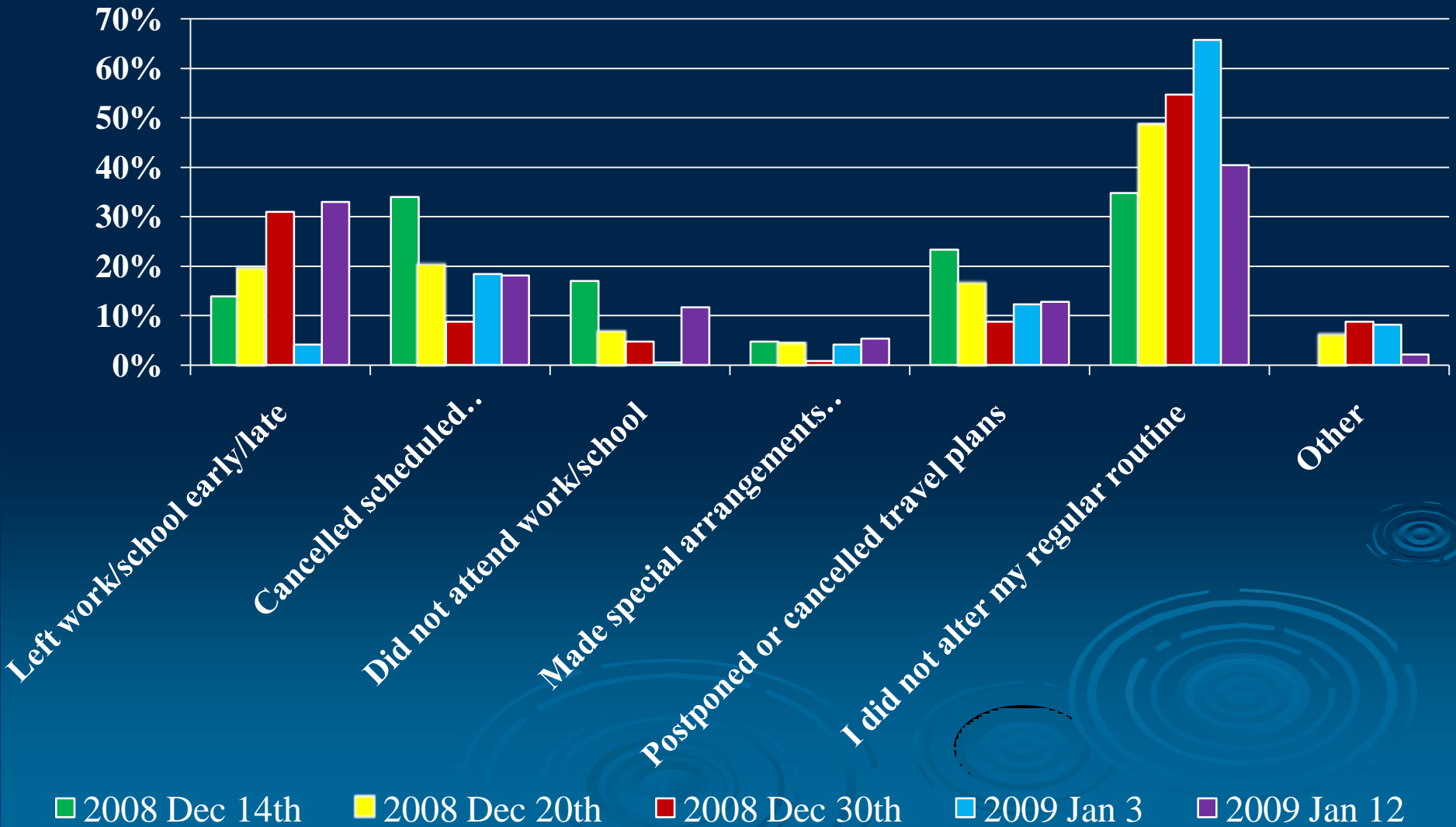
## 6. How did you alter your daily routine during this storm?





# Responses By Event

6. How did you alter your daily routine during this storm?  
(Select the one that most applies).



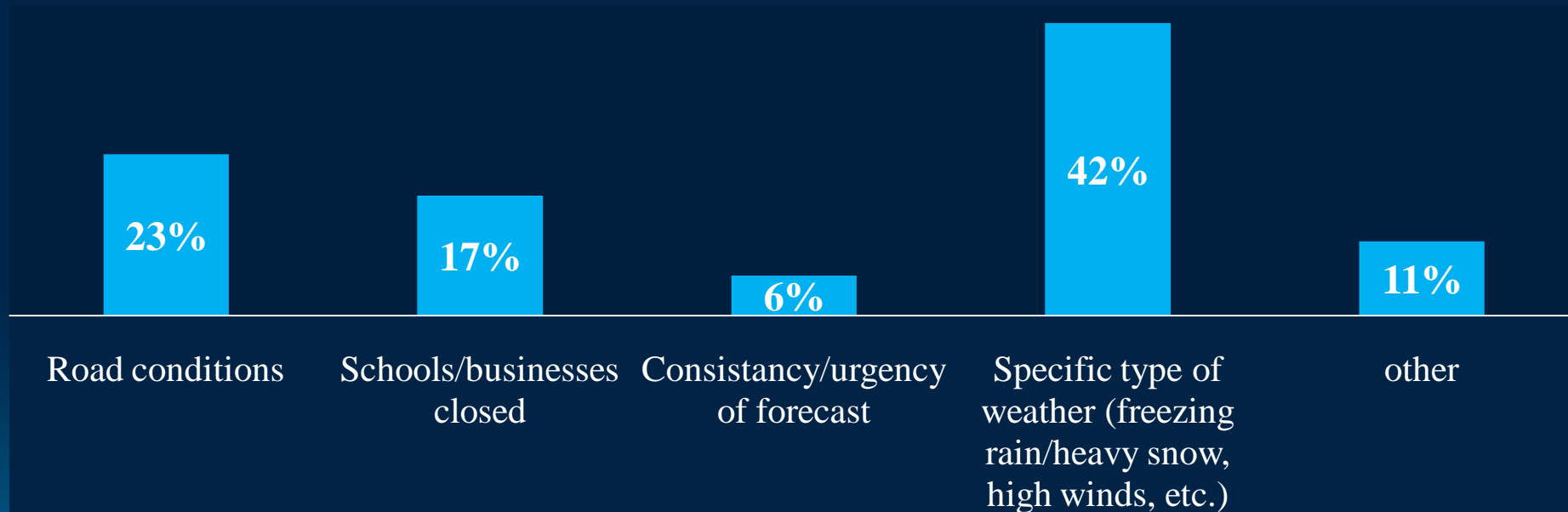


# All Responses



*\* Combined responses from all season 2 events*

## 7. If you did alter your routine, what specifically made you do so?



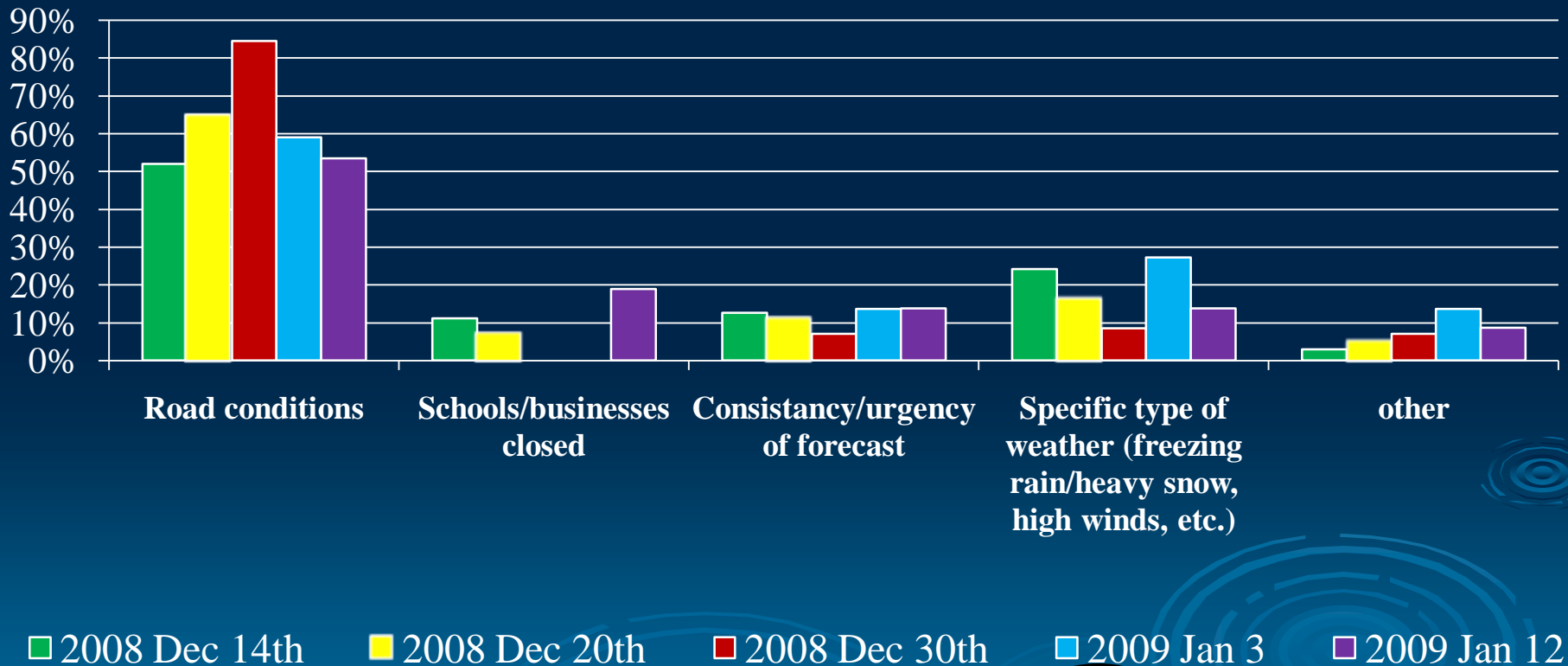




# Responses By Event



**7. If you did alter your routine, what specifically made you do so?**  
(Select the one that most applies).



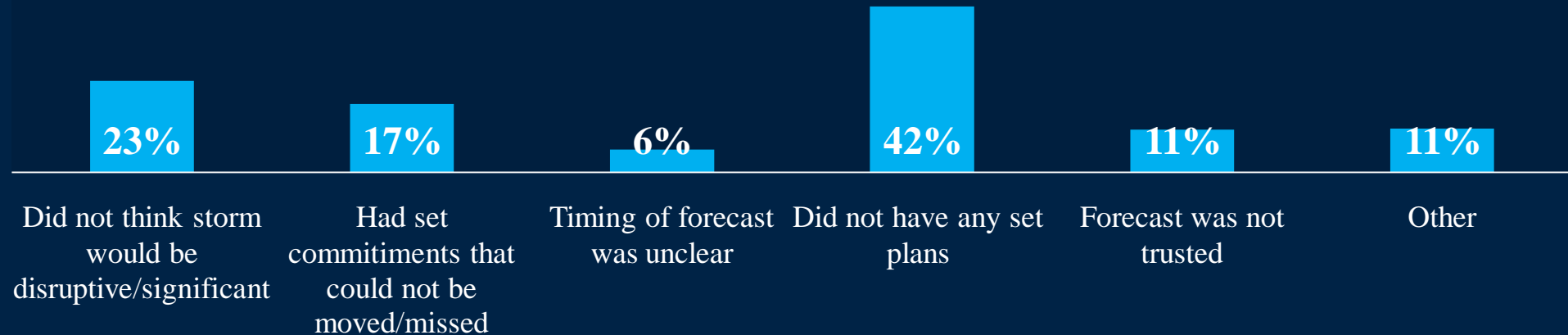


# All Responses



*\* Combined responses from all season 2 events*

## 8. If you did not alter your routine, what convinced you alterations were not nessisary?

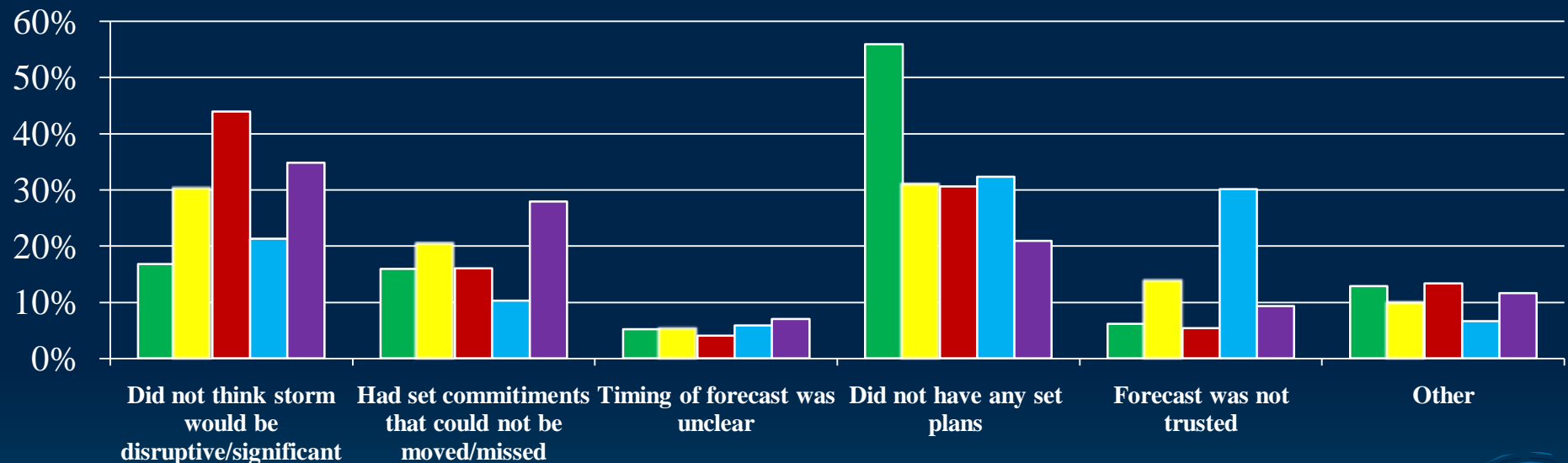




# Responses By Event



8. If you did not alter your routine, what convinced you alterations were not necessary? (Select the one that most applies).



2008 Dec 14th

2008 Dec 20th

2008 Dec 30th

2009 Jan 3

2009 Jan 12



# Post Storm Survey



## Responses & Results

**Please Refer to the below links for the Preliminary Post Storm Survey Results by Case**

- [2008 December 14<sup>th</sup>](#)
- [2008 December 20<sup>th</sup>](#)
- [2008 December 30<sup>th</sup>](#)
- [2009 January 3<sup>rd</sup>](#)
- [2009 January 12<sup>th</sup>](#)

[View Responses From Test Season \(Winter 2008\)](#)

*Visit the [Northland Winter Storm Archive](#) for event summaries*



# How to get involved?

If you are interested in hosting a link to the Post Storm Survey on your website, please send an email to

[poststormsurvey@gmail.com](mailto:poststormsurvey@gmail.com)



# Thank You!



**Matt Taraldsen**  
Saint Cloud State University  
Meteorology-Communications Student  
[poststormsurvey@gmail.com](mailto:poststormsurvey@gmail.com)



**Post Storm Survey Team**  
Mike Bettwy, Matt Taraldsen  
Amanda Graning, Amy Liles

**Amanda Graning**  
Forecaster/Meteorologist  
National Weather Service, WFO Duluth, MN  
[amanda.graning@noaa.gov](mailto:amanda.graning@noaa.gov)